

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A lathe with a vertically positioned motor-driven work spindle on whose lower end are positioned workpiece clamps, with an initial compound slide system by means of which the work spindle can move vertically in the Z1 direction and horizontally in the X1 direction, with at least one initial stationary tool holder, and with at least one second tool holder which can execute an advancing action in at least one direction during the machining process, while the advancing movement of the second tool holder is independent of the control of the first compound slide system, ~~wherein~~ comprising:

the second tool holder (46) ~~can be moved in~~ movable in a controlled fashion along two axes by a second compound slide system (28, 30, 32, 34); and

the movement of the second tool holder (46) ~~[[is]]~~ synchronized with the movement of the first compound slide system (19) in such a way that the movement of the second tool holder (46) ~~[[is]]~~ provides an arithmetic overlay of the movement of the first compound slide system (19) and the relative movement between the workpiece and the second tool holder (46).

2. (previously presented) A lathe according to claim 1, wherein the axes of movement (Z1, X1) of the first compound slide system (19) and the axes of movement (Z2, X2) of the second compound system (28, 30, 32, 34) run parallel to each other.

3. (currently amended) A lathe according to claim 1, wherein at least the second ~~or more tool holders~~ holder (46) ~~are~~ is positioned on a turret holder plate (44).

4. (currently amended) A lathe according to claim 1, wherein at least the second ~~or more tool holders~~ holder (16), ~~their~~ and the corresponding guides (28, 30, 32, 34), and ~~their~~ drives (36, 38, 40, 42) are consolidated into a structural module.

5. (previously presented) A lathe according to claim 4, wherein a machine tool table with two columns (12) is provided, a work space (16) is positioned between the two columns (12), and the first tool holder (22) and the structural module for the second tool holder (46) are positioned between the columns (12), on opposite sides of the work space (16).

6. (currently amended) A lathe according to claim 2, wherein at least the second ~~or more tool holders~~ holder (46) ~~are~~ is positioned on a turret holder plate (44).

7. (currently amended) A lathe according to claim 2, wherein at least the second ~~or more tool holders~~ holder (16), ~~their~~ and the corresponding guides (28, 30, 32, 34), and ~~their~~ drives (36, 38, 40, 42) are consolidated into a structural module.

8. (previously presented) A lathe according to claim 7, wherein a machine tool table with two columns (12) is provided, a work space (16) is positioned between the two columns (12), and the first tool holder (22) and the structural module for the second tool holder (46) are positioned between the columns (12), on opposite sides of the work space (16).

9. (currently amended) A lathe according to claim 3, wherein at least the second ~~or more tool holders~~ holder (16), ~~their~~ and the corresponding guides (28, 30, 32, 34), and ~~their~~ drives (36, 38, 40, 42) are consolidated into a structural module.

10. (previously presented) A lathe according to claim 9, wherein a machine tool table with two columns (12) is provided, a work space (16) is positioned between the two columns (12), and the first tool holder (22) and the structural module for the second tool holder (46) are positioned between the columns (12), on opposite sides of the work space (16).